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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLN. OF: ASPAR et al.

PATENT NO: 7,067,396

ISSUED: June 27, 2006

FOR: METHOD OF PRODUCING A THIN LAYER OF . . .

GROUP: 2823

CONFIRMATION NO.: 8343

DOCKET: BREV 12370 CON4

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PETITION FOR CERTIFICATE OF CORRECTION**

Dear Sirs:

Aspar et al., the Patentees of the above-identified patent, through their attorney, hereby petition for issuance of a Certificate of Correction in the above-identified patent. A Certificate of Correction (PTO Form 1050) is enclosed, in duplicate. The Certificate of Correction is required to correct significant printing errors as follows:

**In references cited, other publications:**

Page 2:

Column 1, line 55, "S1" should be --Si--.

Page 3:

Column 1, line 16, "keV" should be --KeV--.

Column 2, line 41, "37" should be --"--.

Page 4:

Column 1, line 44, "on" should be --of--.

Column 1, line 46, "Viod" should be --Void--.

Column 1, line 47, "Bombared" should be --Bombarded--.

Column 1, line 57, "Synman" should be --Snyman--.

Column 2, line 20, "Quality" should be --Qualify--.

Column 2, line 32, "ot" should be --to--.

**Certificate**  
**NOV 01 2006**  
**of Correction**

**NOV - 1 2006**

**HAYES SOLOWAY P.C.**  
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Column 2, line 42, "Samrt" should be --Smart--.  
Column 2, line 55, "Equllibrium" should be --Equilibrium--.

In the Specification:

Column 2:

Line 26, "go" should be --so--.

Column 4:

Line 49, " $10^{11}$ " should be -- $10^{21}$ --.

Line 50, " $2.10^{14}$ " should be -- $2.10^{16}$ --.

Column 5:

Line 15, " $H^+/cm^2$ " should be -- $H^+/cm^3$ --.

Column 6:

Line 8, "alone" should be --along--.

Line 9, "tact" should be --fact--.

In the Claims:

Column 6:

Line 65, "hydrogen" should be deleted.

Column 7:

Line 2, --and wherein-- should be inserted after "microcavitites,".

Lines 4-7, should be deleted after "substrate".

Line 17, --to-- should be inserted before "claim".

Line 19, "hydrogen" should be deleted.

Line 22, "hydrogen" should be deleted.

Line 26, --and wherein-- should be inserted after "ties,".

Lines 27-32 should be deleted after "substrate".

Column 8:

Line 3, "hydrogen" should be deleted.

Lines 4-39, Claims 9-16 should be deleted.

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The above changes are being made to conform the claims to the claims as amended under Rule 312. A copy of Amendment Under Rule 312 and the PTO Form-271 approving the 312 Amendment are enclosed. Other changes are to correct clerical changes entered by the Printer throughout the specification, and are all supported by the record. Since the error was a Patent Office error, it is believed that the Certificate of Correction should be issued without charge to the Applicant.

Respectfully submitted,

Norman P. Soloway  
Attorney for Applicants  
Reg. No. 24,315

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on October 25, 2006 at Tucson Arizona.

By: Kim Good

NPS:sb:kg

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# UNITED STATES PATENT AND TRADEMARK OFFICE

## CERTIFICATE OF CORRECTION

PATENT NO. : 7,067,396

DATED : June 27, 2006

INVENTOR(S) : ASPAR et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In references cited, other publications:**

Page 2, Column 1, line 55, "S1" should be --Si--.

Page 3:

Column 1, line 16, "keV" should be --KeV--.

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Column 1, line 44, "on" should be --of--.

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Column 2, line 32, "ot" should be --to--.

Column 2, line 42, "Samrt" should be --Smart--.

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**In the Specification:**

Column 2, Line 26, "go" should be --so--.

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Line 50, " $2.10^{14}$ " should be -- $2.10^{16}$ --.

Column 5, Line 15, " $H^{\dagger}/cm^2$ " should be -- $H^{\dagger}/cm^3$ --.

Column 6:

Line 8, "alone" should be --along--.

Line 9, "fact" should be --fact--.

**In the Claims:**

Column 6:

Line 65, "hydrogen" should be deleted.

Column 7:

Line 2, --and wherein-- should be inserted after "microcavitites,".

Lines 4-7, should be deleted after "substrate".

Line 17, --to-- should be inserted before "claim".

Line 19, "hydrogen" should be deleted.

Line 22, "hydrogen" should be deleted.

Line 26, --and wherein-- should be inserted after "ties,".

Lines 27-32 should be deleted after "substrate".

Column 8:

Line 3, "hydrogen" should be deleted.

Lines 4-39, Claims 9-16 should be deleted.

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PATENT NO. 7,067,396

No. of additional copies



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**AMENDMENTS TO THE CLAIMS:**

Kindly amend claims 13 and 17, as shown below.

This listing of claims will replace all prior versions and listings of claims in the Application:

**Claims 1 - 12 (cancelled)**

**Claim 13 (currently amended):** A method for producing a thin film comprising:

providing a first substrate having a face surface;

introducing ions into the first substrate at the face surface, such that microcavities are formed in the first substrate during or after introducing the ions, wherein the microcavities define a thin film layer extending from the [[first]] face surface to the microcavities, and wherein the microcavities reside between solid bridges of the first substrate;

bonding a second substrate to the face surface of the first substrate; and

applying mechanical forces to fracture the solid bridges.

**Claim 14 (previously presented):** The method for producing a thin film according to claim 13, further comprising applying energy to the first substrate.

**Claim 15 (previously presented):** The method for producing a thin film according to claim 14, wherein applying energy comprises applying thermal energy.

**Claim 16 (previously presented):** The method for producing a thin film according claim 14, wherein applying energy comprises applying energy after introducing ions.

**Claim 17 (currently amended):** A method for producing a thin film comprising:

providing a first substrate having a face surface;

introducing ions into the first substrate at the face surface and forming microcavities in the first substrate, wherein the microcavities define a thin film layer extending from the [[first]]

face surface to the microcavities, and wherein the microcavities reside between solid bridges of the first substrate;

bonding a second substrate to the face surface of the first substrate; and

applying mechanical forces to fracture the solid bridges.

**Claim 18 (previously presented):** The method for producing a thin film according to claim 17, further comprising applying energy to the first substrate.

**Claim 19 (previously presented):** The method for producing a thin film according to claim 17, wherein applying energy comprises applying thermal energy.

**Claim 20 (previously presented):** The method for producing a thin film according to claim 17, wherein applying energy comprises applying energy after introducing ions.

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**COMMENTS ON STATEMENT OF REASONS FOR**  
**ALLOWANCE AND REMARKS**

Claims 13 and 17 have been amended to correct minor typographical errors. No new issues have been raised which would require further search or consideration by the Examiner.

Applicants note that the Examiner has stated that the pending claims are allowable, in part, in view of the reasons for allowance set forth in their parent application serial no. 09/777,516. Applicants assert that their instant claims recite different subject matter from the claims in their parent application. For example, in the instant claims, the ions introduced into the first substrate are not limited to a particular ionic species. Accordingly, Applicants assert that their instant claims are allowable over the prior art in view of the recited subject matter and are independently patentable over the claims of their parent application.

In the event there are any fee deficiencies or additional fees are payable, please charge them (or credit any overpayment) to our Deposit Account Number 08-1391.


Respectfully submitted,



Norman P. Soloway  
Attorney for Applicants  
Reg. No. 24,315

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: MAIL STOP ISSUE FEE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on  
December 16, 2005, at Tucson, Arizona.

By 

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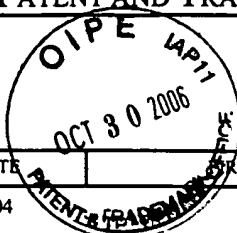
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# UNITED STATES PATENT AND TRADEMARK OFFICE

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www.uspto.gov



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/784,601	02/23/2004	Bernard Aspar	BREV 12370 CON4	8343

27667 7590 01/18/2006  
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JAN 23 2006

HAYES SOLOWAY

EXAMINER	
FOURSON III, GEORGE R	
ART UNIT	PAPER NUMBER
2823	

DATE MAILED: 01/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

NCV - 1 2006





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. Of: ASPAR et al.

COPY

Serial No.: 10/784,601

Filed: February 23, 2004

For: A METHOD FOR PRODUCING A THIN LAYER OF SEMICONDUCTOR MATERIAL

Group: 2823

Confirmation No. 8343

Examiner: Fourson, III, George R.

DOCKET: BREV 12370 CON4

MAIL STOP ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT UNDER RULE 312 AND COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE**

Dear Sir:

This Amendment is being filed in response to the Notice of Allowance mailed September 22, 2005.

Please amend the Application as follows:

**Amendments to the Claims** begin on page 2 of this Amendment.

**Comments on Statement of Reasons for Allowance and Remarks** begin on page 4 of this Amendment.

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NOV - 1 2005



**Response to Rule 312 Communication**

Application No.	Applicant(s)	
10/784,601	ASPAR ET AL.	
Examiner	Art Unit	
George Fourson	2823	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

☒ The amendment filed on 30 December 2005 under 37 CFR 1.312 has been considered, and has been:

- a) ☐ entered.
- b) ☒ entered as directed to matters of form not affecting the scope of the invention.
- c) ☐ disapproved because the amendment was filed after the payment of the issue fee.  
Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.
- d) ☐ disapproved. See explanation below.
- e) ☐ entered in part. See explanation below.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Fourson whose telephone number is (571) 272-1860. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Smith, can be reached on (571) 272-1907. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

George Fourson  
Primary Examiner  
Art Unit 2823

GFourson  
January 11, 2006

NOV - 1 2006

George Fourson  
Primary Examiner  
Art Unit: 2823